

Little Vineyards Tracts Are Going Fast

This superb thousand acre tract will all soon be sold in five- ten- and twenty-acre tracts. No other proposition in the Mimbres Valley like it—none other as good for the man who wants a country home, with every convenience of the city, and at the same time a money-maker.



Well No. 1 of Little Vineyards Co., one mile east of Deming, equipped with 35 h. p. General Electric Motor, No. 7 American Well Works Pump, delivering 1400 gallons of water per minute.

We Sell Our Own Land. No Commissions, No Rake-Offs—

The buyer gets the benefit of our method of handling this property. Two big wells behind every acre. Can make a duck pond out of any five acres on the tract in three hours.

Ours is the most prosperous and the most rapidly developing portion of a prosperous and rapidly developing valley. Right at town. You can drive in in ten minutes. Best schools in New Mexico within easy reach of your home.

\$750 Buys a Five Acre Tract. Small Cash Payment Balance on Terms to Suit

Everything ready for you to start right to work. Water in your ditch whenever you want it.

This land is increasing in value faster than any other land in the Mimbres Valley, but we are holding the price to the point originally advertised. We can afford to sell it cheap because we want the tract developed at once. No speculators are buying. It appeals principally to the home-builder.

Write us today. This land will put you on easy street.

Little Vineyards Company

Mahoney Block, Deming, N. M.

Columbus next week, his car starting from Columbus at 8:30 each morning and making the trip to Deming, and leaving Deming for Columbus at 2 o'clock each afternoon. Sim Holstein will run a back from Deming to the Mimbres hot springs, Mondays and Thursdays of each week. This back line and the auto route above mentioned will give Deming a direct connection with both the up the Mimbres country and the lower end of the country.

Mrs. Fendall has rented from Cal Rice the entire upper store of the new Baker block now in course of construction on the corner of Silver and Spruce street for a rooming house.

The sentence passed by Judge L. L. Browning on John Morris and A. R. K. charged with illegally disposing of whiskey in Columbus, N. M., has been suspended upon promise from the defendants not to indulge in such practice in the future.

A. Kesly, deputy sheriff, was called to Columbus to arrest parties charged with fighting and disturbing the peace.

At the last meeting of the county commissioners, Mr. Peach was appointed justice of the peace at Columbus, and Mr. Hulse was appointed constable.

Mrs. L. I. Browning is having installed a 12 horse power engine and No. 4 pump on her desert claim three miles east of town. Hy F. Blackman is doing the mechanical work.

Will W. Collins has bought from the Deming Real Estate and Improvement company four lots in South addition, consideration \$400.

E. E. Herry has bought three lots from the Deming Real Estate and Improvement company near the courthouse, consideration \$350. These lots are located in the western portion of town.

Elmer Heldness is building a neat cottage on his lots in the South addition.

Installs Two Engines.

Dr. P. K. Conaway has replaced his 50 horse power gasoline engine with two 30 horse power electric motors for pumping water for irrigation. One 30 horse power motor will operate his old plant near his dwelling, and another 30 horse power motor will operate a second plant on the quarter section east of his dwelling. The second well will be completed within a few days.

H. H. Jacobs has bought a 25 horse power electric motor for operating his No. 4 pump three miles southeast of Deming. The company will have to build a half mile of transmission line from the Sanders place in order to connect up with the Jacobs plant.

Dr. Janet Reid has purchased through the Sloss Case Land company, five acres of land from the Little Vineyards company with water developed.

E. L. Denton and Geo. Alberti, Jr., both of Deming, Okla., have bought from the purpose of locating.

Dr. Jones of Chicago, has purchased five acres with water developed in the Little Vineyards company, which he expects to improve for a home. The land carries with it a water right.

The following warranty deed was filed in the county clerk's office today: Victor Dieudonne to Mrs. Frank Look M. Starn, north half of section 25, west quarter section 2, township 25 south, range 8 west; consideration \$1500.

Anna Agnes Maloy is the fourth lecturer of the Socialist lecture course. She will speak in Deming today, her subject being "The Trust Busters."

Nick Hughes and Oscar Allen brought Lard and Page from Lordsburg to Deming, where they were met by deputy sheriff Tom Moore, who conducted them to Silver City. Page is charged with horse stealing and Lard is charged with robbery.

Frank D. Ford and wife, of Kansas City, are here to make their future home in Deming.

E. E. Stafford has been employed by the International Harvester company as a mechanic for the 35 h. p. C. engines in use in this community in good repair, and also to install engines.

ASK GAME RESERVE FOR GRAHAM COUNTY

Safford, Ariz., April 12.—A petition has been circulated throughout Graham county and signed by nearly every citizen, asking the national government to establish a game preserve in the Graham mountains, and on the old Ft. Grant military reservation.

Raymond Lee, son of Mr. and Mrs. Frank Lee, dropped dead from a heart ailment while attending a party at the home of Mrs. Anna Lee at Lebanon.

A wedding in which W. E. Wassen of Safford and Miss Fay Claridge of Thatcher, were the principals, occurred in Thatcher at the home of the bride's parents.

The bride is the youngest of 12 children all living in the Gila valley. About 40 guests were present and enjoyed the dinner which followed the ceremony.

There is an epidemic of weddings lately in the valley with more in the near future. Marcus Angelo, of Safford and Mrs. Helen Howerton were married this week, and Alvin Hatch and Margaret Carter were married by Judge McAllister at Solomonville.

All we ask is one garment to clean. Our work will bring the balance. Grebe, phone 1114.

Bryna Bros. Spring hats are the latest shapes and colors.

To have your clothes cleaned properly, send them to Grebe, 415 N. Oregon.

Bryna Bros. Have the prettiest line of straw and Panama hats ever seen in El Paso.

Smith's ice cream. El Paso Dairy.

Factors Which Determine A Profitable Lift In Pumping Water For Irrigation

By R. Bedichek, Deming, N. M.

THERE are many factors bearing upon the economic accessibility of the ground water of a given district. The depths at which the water bearing strata are encountered and the level to which the water rises in the well determine, first, the initial cost of the well, and second, the fixed charge for pumping the water. The character of the formation is also a factor in determining the initial cost. If, for example, the water bearing strata are encountered at a depth of 800 to 1000 feet, and the character of the formation is such that drilling is slow and difficult, it means that the initial cost of the irrigation well will be great. If the water encountered at this depth rises to within 10 or 20 feet of the surface, it means that the pumping cost will be low. Vice versa, if sufficient water for irrigation can be obtained at a depth of 150 feet, but the water rises to the 100-foot level, it means a low cost for the well, and a comparatively high cost for pumping machinery as well as expensive pumping. The ideal condition is, of course, water at shallow depth and sufficient artesian pressure to bring the water near the surface.

Soft and Climate Exert Influence. But soil and climatic conditions influence to great extent the profitability of pumping for irrigation. In a district where the annual precipitation is, say, 20 inches, occurring in the growing months, it means that there will be less water to pump and consequently a less cost for irrigation. If the subsoil of a district is porous, allowing the water to leak away before the crops have thoroughly utilized it, a greater amount of water will have to be pumped, and the profits proportionately lessened. For example, there are districts in the United States

where alfalfa requires per season 15 feet of water. There are other sections where 35 inches is all the water that can be profitably applied.

Again, the texture of the soil is an important element. Some soils do not retain moisture as long as other soils and must be irrigated oftener. In districts where the soil and climatic conditions permit the growth of high priced products, water can be pumped profitably at much greater lifts than in districts where the lift at which crops can be grown.

In certain portions of California, for instance, water is pumped onto hill sides 150 feet above the water level at a profit; in certain portions of New Mexico, water is pumped at a treacherous profit to 200 feet.

It is prohibitive for growing Indian corn, cotton, or as more power, the market here enters as a factor in determining the limit of profitable lift.

Pumping water for the irrigation of alfalfa which sells at \$5 per ton is a different matter from pumping water for growing alfalfa which sells at \$4 per ton. It is profitable to pump water 200 feet for garden truck where there is a nearby and high priced market for such produce, whereas a truck grower would go into bankruptcy pumping water 100 feet for truck crops at a low price.

Altitude A Factor. A factor which occasionally enters the problem of pumping water for irrigation where internal combustion engines are used as motive power, is the altitude. The internal combustion engine is rated by most manufacturers upon tests made at sea level. The loss of efficiency as the altitude increases until at an elevation of 4000 feet, the purchaser must deduct 15 percent from

the efficiency of a given machine at sea level.

In Pomona valley, California, water is pumped at a profit 45 to 115 feet for alfalfa, while the market price of alfalfa is \$9 per ton. Of course, for the citrus fruits in the Pomona district, water is pumped 200 to 400 feet successfully and with profit. In other sections of California, water is pumped as high as 550 feet for irrigation.

The whole history of pumping water for irrigation, since it used to be done in Egypt with the pumps and oxen for motive power, has been a gradual increase in the profitable lift due to improvement in pumping machinery.

Sanborn Investigates Valley. Kingsbury Sanborn, one of the most prominent engineers in California, and especially versed in the matter of pumping water, investigated the Mimbres valley a short time ago, and partial results of the investigation are given in the following interview:

"Pumping System Best. 'I think Deming has the most elaborate and profitable land surrounding it that I have ever run across in my long experience in irrigated sections of the United States. It is a fine find in all this great extent of valley any poor land. It is uniformly level, rich, easy of cultivation, and is, generally, the finest body of land that I have ever seen. The water conditions here are superb; the railroad facilities are better than those of many larger cities than Deming. From a study of all the conditions bearing upon the situation, I confidently predict that within five years there will be an increase in the cultivated area in the vicinity of Deming of at least 50,000 acres. What this will mean to the growth of the town itself is obvious. I have traveled up and down the state of California and Arizona for the last 25 years. It has been my business to note development and the factors that make for development, and I say without reservation that I am thoroughly pleased with every phase of the situation here."

"Mr. Sanborn declared that the water can be pumped profitably, Mr. Sanborn said:

"In California, we are pumping water for oranges anywhere from 100 to 750 feet with profit. The higher the orange groves are located above the valleys, the freer they are from frost and the surer they are of yearly yields. For alfalfa at \$5 and \$6 per ton, we easily pump water with profit 125 feet. Your water lift in this valley is uniformly low, and hence, a greater profit is assured."

Asked concerning the head necessary for successful irrigation upon such a scale as that of the Mimbres valley, Mr. Sanborn stated that 1000 gallons per minute is ample for such crops as alfalfa. A head of 400 gallons per minute he considers sufficient for the successful irrigation of orchards here.

Mr. Sanborn is enthusiastic for the pumping system as against any other system of irrigation. He says: "With the pumping system, there are no ditches to be kept in repair, no floods to be contained with, no foreign seed to be deposited on the fields, no waiting your turn for water in times of shortage. In short, the underground water, or underflow, is the greatest

and most perfect supply of water for irrigation in the world. You have here," continued Mr. Sanborn, "about the same proposition that we had in Riverside, Cal. 15 years ago. Now cultivated land is selling there for \$200 per acre, and raw land with no prospect of water is selling for \$100 per acre."

Mr. Sanborn expressed himself as follows concerning the proper method of installing wells in this valley:

"I think the California method is the proper one. The advantage of this is that the casing follows the drill, and when the desired depth is reached, the casing continues to water bearing gravel is perforated. With this method, I consider it quite likely that artesian water can be developed here, and as certain that the lift for pumping can be materially reduced. It is important to reach a lower strata than is reached by the wells you have here at present, as the lower strata are more dependable and their waters rise nearer the surface, thus reducing the pumping head."

Speaking of his own work in California, Mr. Sanborn gave the following account of the restoration of artesian flow in the San Bernardino basin:

"After several years of drought the wells of this basin ceased to flow. We bought several thousand acres of lands along the river course at the upper edge of the basin, built a dam across the Santa Ana river to hold the storm waters, and conducted the water in ditches over porous ground, causing it to sink in the sand and gravel, thus forcing it into the underflow instead of allowing it to follow the channel of the river and waste itself in the sea. By continually diverting the water in this way, we raised the water level of the basin 40 feet and caused many old artesian wells to flow again that had not flowed before for a period of 10 years. This method of filling any artesian basin will carry any area dependent upon its water through a period of five years' drought. We have demonstrated that the basin referred to has not sufficient water supply to last it through five years of drought."

Mr. Sanborn declared that the water supply in the Mimbres valley is absolutely permanent, nature having done for this valley what it is necessary for man to do in many valleys of California in order to maintain a dependable supply of water.

furnished the scene of action, probably never before experienced such a day as the one this week when 500 members of the Housewives League descended upon it determined to do their own marketing first hand in an effort to eliminate the middleman and reduce the food bills. Never probably has the city seen marketing under such conditions.

As a social affair the demonstration was undoubtedly a success. Music was furnished by a band and every visitor received a tiny American flag and bouquet. There were guides to furnish information and all the dealers in the great market were decked out in their best, some with a flower in his buttonhole. Some of the would-be marketers, who in all probability had never been in a market before and never will go again, came in their own autos with their own maids to carry their baskets. Others came in taxis, although the majority arrived by street car or on foot. Many out of town purchasers hastened to express their packages to their homes, leaving the husbands at the other end to wonder just where the saving came in.

The prices obtained were, of course, lower than those prevailing at the small retail markets, but considerable doubt exists among the skeptics as to whether the ultimate cost to the consumer in view of the cost of auto, express charges and the like, was any less. Even the dealers voted the day a huge success, one butcher going so far as to say that he enjoyed it almost as much as the annual chowder party. He added that one woman who wanted some veal cutlets expressed a desire to see a whole veal, and was much disappointed when she found that it did not resemble a seal, to which she had always supposed it to be closely related.

Bryna Bros. Make suits to measure, guarantee a fit and save you \$5 to \$10 on a suit.

Don't throw away your last summer's straw or Panama hat. Bring it to us, and for a very small sum we will make it look like new. Grebe, phone 1114.

Bryna Bros. Have a full line of Hosiery for ladies and gentlemen.

Everitt cars. Valley Implement Co.

MARKETING AS A SOCIETY FAD

Women Hire Autos to Go to Market to Save a Few Cents on a Roast.

New York, N. Y., April 12.—Whether the \$5000 Housewife, to say nothing of the lower taxicab, it really and effectively agent in reducing the high cost of living is one of the many questions which New York is trying to answer in checking up the actual results in the greatest movement in this field which this city has yet seen.

In all the 100 years of its existence, the famous Washington market which

We Both Lose Money

if you don't buy lots in Tobin's 4th Addition before the advance in price. Buy now and save money.

BUILDING, WELL BORING AND REALTY SELLING ARE ALL ACTIVE IN DEMING AND THE MIMBRES VALLEY

Deming, N. M., April 12.—A. H. Snyder is building a 45 foot square engine house to the rear of his present office and Gold avenue. This room will be used to house his exhibition pumping plant, and also as a store room for gasoline engines and repairs.

A. T. Coffin is having an irrigation well put down on his land lying three miles south of Hondale. The well rig of McCurdy & Kimball is at present engaged in putting down an irrigation well on Mr. McCurdy's land half a mile east of Hondale. There will be

a special meeting of the stockholders of the Mimbres Valley Canning and Grocers' association at Hondale Saturday evening. The purpose of the meeting is to decide upon the capacity of the plant to be installed, and make a selection of the machinery.

Wayne Darline has sold lots 11 and 12, block 41 of the Wallis survey to Marian Hook, recently of Phoenix, Ariz., consideration \$600.

Frank E. Lester, brother of Lee O. Lester, of Deming, has been promoted to the 14th cavalry, en route

from the Philippines to Fort McIntosh. He was joined here by his brother, Lee O. Lester, who accompanied him to El Paso.

Henry Meyer went to Las Cruces yesterday on business.

Louis Dornbush, a farmer living seven miles southeast of Deming, has received a 40 horse power Marmion auto, which he recently purchased.

To Run Auto and Hack Lines. A. E. Kemp and W. R. Page, of Columbus, N. M., are in Deming and Mr. Kemp announces that he will establish a daily auto line between Deming and

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The traveler to Eastern points can count to a certainty on reaching his destination sooner and traveling in greater comfort when he goes via the E. P. & S. W. and connecting lines.

Through Pullman service to Kansas City, Memphis, St. Louis and Chicago.

We also sell steamship tickets to all parts of Europe.

For sleeping car reservations and full information regarding routes, stop-overs, etc., call at City Ticket Office, ROBERTS-BANNER BUILDING

H. D. McGregor, City Ticket Agent.

Richard Warren, Gen. Agt.

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